

Product datasheet for **TP306588**

PDE1B (NM_000924) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human phosphodiesterase 1B, calmodulin-dependent (PDE1B), 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC206588 protein sequence Red =Cloning site Green =Tags(s)

MELSPRSPPEMLEESDCPSPLELKSAPSKMMWIKLRSLRYMVKQLENGEINIEELKKNLEYTASLLEAV
YIDETRQILDTEDELQELRSDAVPSEVRDWLASTFTQQARAKGRRAEEKPKFRSIVHAVQAGIFVERMFR
RTYTSVGPTYSTAVLNCLKNLDLWCFDVFSLNQAADDHALRTIVFELLTRHNLSIRFKIPTVFLMSFLDA
LETGYGKYKNPYHNQIHAADVTQTVHCFLLRTGMVHCLSEIELLAIIFAAIHDYEHTGTTNSFHIQTKS
ECAIVYNDRSVLENHHISSVFRLMQDDEMNFIFNLTKDEFVELRALVIEMVLATDMSCHFQQVKMTKTAL
QQLERIDKPKALSLLLHAADISHPTKQWLVHSRWTKALMEEFFRQGDKEAELGLPFSPLCDRTSTLVAQS
QIGFIDFIVEPTFSVLTDAEKSVQPLADEDSKSNQPSFQWRQPSLDVEVGDPNPDVVSFRSTWVKRIQ
ENKQKWKERAASGITNQMSIDELSPCEEEAPPSPAEDHNQNGNLD

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Predicted MW:	61.2 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.



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RefSeq: [NP_000915](#)

Locus ID: 5153

UniProt ID: [Q01064](#), [A0A024RB59](#)

RefSeq Size: 3463

Cytogenetics: 12q13.2

RefSeq ORF: 1608

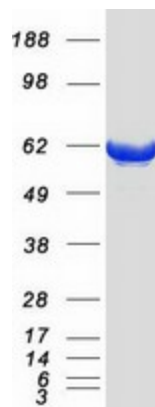
Synonyms: HEL-S-79p; PDE1B1; PDES1B

Summary: The protein encoded by this gene belongs to the cyclic nucleotide phosphodiesterase (PDE) family, and PDE1 subfamily. Members of the PDE1 family are calmodulin-dependent PDEs that are stimulated by a calcium-calmodulin complex. This PDE has dual-specificity for the second messengers, cAMP and cGMP, with a preference for cGMP as a substrate. cAMP and cGMP function as key regulators of many important physiological processes. Alternatively spliced transcript variants encoding different isoforms have been described for this gene.[provided by RefSeq, Jul 2011]

Protein Families: Druggable Genome

Protein Pathways: Calcium signaling pathway, Progesterone-mediated oocyte maturation, Purine metabolism

Product images:



Coomassie blue staining of purified PDE1B protein (Cat# TP306588). The protein was produced from HEK293T cells transfected with PDE1B cDNA clone (Cat# [RC206588]) using MegaTran 2.0 (Cat# [TT210002]).